

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-4. (Canceled).
5. (New) A method for evaluating crystal defects of a silicon wafer comprising:
etching a surface of the silicon wafer by immersing the wafer in an etching solution; and
observing etch pits formed on the etched surface of the wafer, wherein the silicon wafer of
which crystal defects are evaluated has low electrical resistivity of $1\ \Omega\cdot\text{cm}$ or less, and the
etching solution is a mixture of hydrofluoric acid, nitric acid, acetic acid and water further
including iodine or iodide, in which a volume ratio of nitric acid in the etching solution is the
largest among volume ratios of hydrofluoric acid, nitric acid, acetic acid and water, and the
etching solution is adjusted to have an etching rate of 100 nm/min or less for the silicon
wafer.
6. (New) The method for evaluating crystal defects of a silicon wafer according
to Claim 5, wherein the etching solution includes hydrofluoric acid : nitric acid : acetic acid :
water in a volume ratio of 1 : 13-17 : 4-8 : 4-8.
7. (New) The method for evaluating crystal defects of a silicon wafer according
to Claim 5, wherein the etching solution includes iodine or iodide in a range from 0.01 g to
0.09 g per 1 liter of total liquid volume of the etching solution.
8. (New) The method for evaluating crystal defects of a silicon wafer according
to Claim 6, wherein the etching solution includes iodine or iodide in a range from 0.01 g to
0.09 g per 1 liter of total liquid volume of the etching solution.
9. (New) The method for evaluating crystal defects of a silicon wafer according
to Claim 5, wherein a removal amount of the surface of the silicon wafer by etching is 50 nm
or more.

10. (New) The method for evaluating crystal defects of a silicon wafer according to Claim 6, wherein a removal amount of the surface of the silicon wafer by etching is 50 nm or more.

11. (New) The method for evaluating crystal defects of a silicon wafer according to Claim 7, wherein a removal amount of the surface of the silicon wafer by etching is 50 nm or more.

12. (New) The method for evaluating crystal defects of a silicon wafer according to Claim 8, wherein a removal amount of the surface of the silicon wafer by etching is 50 nm or more.